DSN Antenna Downtime Status and Forecast

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Antenna Downtime Status and Forecast

Changes to 2007 Downtime Schedule

❑ Twelve hour DSS-14/15 downtime for Electrical Maintenance on G81/G86 Substation at the Mars site is scheduled for August 23
  ❑ 08/23/2007 15:00 – 08/24/2007 03:00

❑ Fourteen hour complex downtime for Overload task proposed for September time frame. Will be moved based on launch and early orbit phases for Phoenix, SELENE and Dawn,

❑ Two hour daytime complex-wide downtime per complex every month for Ground Network Maintenance

❑ Two hour daytime network-wide downtime twice per year for Ground Network Maintenance

❑ Proposal for 34 downtime hours for DSS-43 for Rescue Platform Install on DOY 340-342.
❑ Previously approved DSS-14 ACR S/W Install and Regrout have been cancelled.

Changes to 2008 Downtime Schedule

- ❑ There are proposed changes to the 2008 Commercial power installation task. Currently the task is proposed to occur in two 12 hour blocks on Monday and Tuesday, March - April 2008. It is being analyzed to occur in one 36 hour block on Saturday and Sunday

- ❑ Proposal for DSS-55 paint repair has been moved to start in June 2008 for 6 weeks.

- ❑ Proposal for DSS-34 Az Track Replacement prior to the Ka-Band Phase 2 downtime in June 0f 2008 for 4 weeks

- ❑ Proposal for DSS-14 ACR S/W installation is planned for the middle of January prior to regrout

- ❑ DSS-66 is proposed to start extended downtime in October of 2008

- ❑ DSS-46 is proposed to start extended downtime in October 0f 2008

All previous downtime proposals have been agreed to by all DSN Missions/Users through the INCF/RAR, JURAP or Mid-Range Scheduling Process

Antenna Downtime Status and Forecast

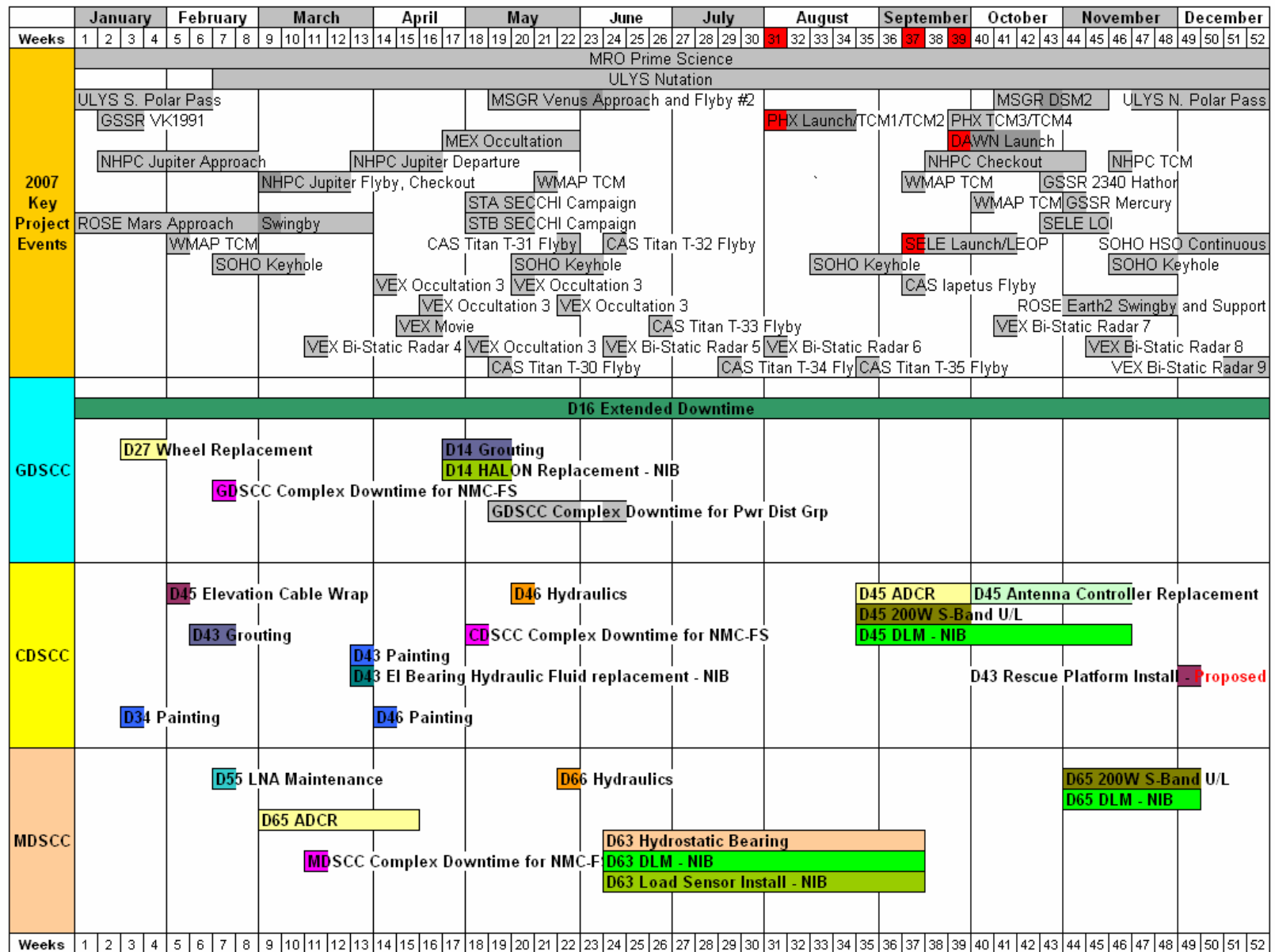## Changes to 2009 Downtime Schedule

❑ Proposal for DSS-65 Life Extension Elevation for October, November of 2009

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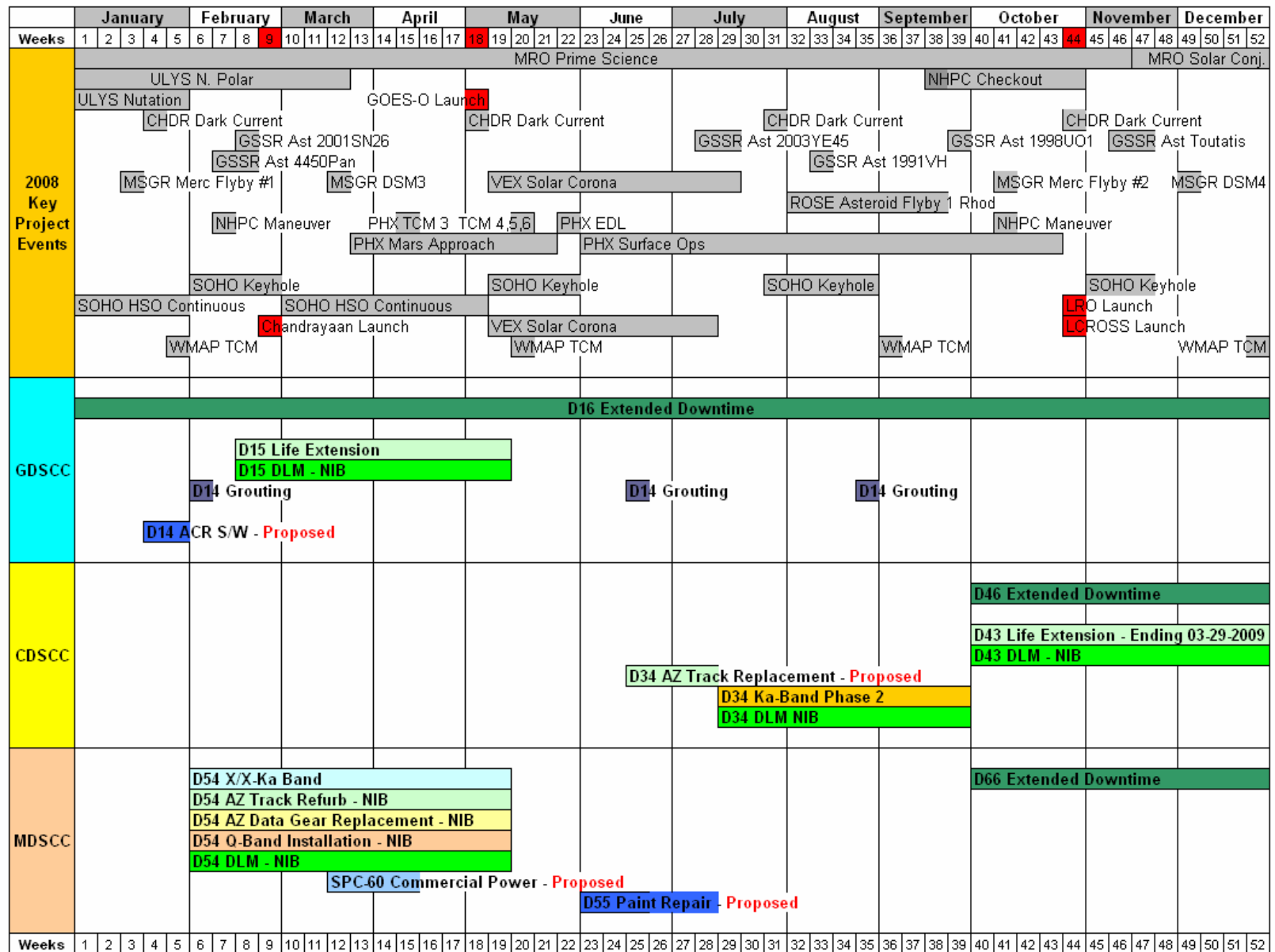
Changes to 2010 Downtime Schedule

❑ Proposal for DSS-25 Ka U/L for April 2010

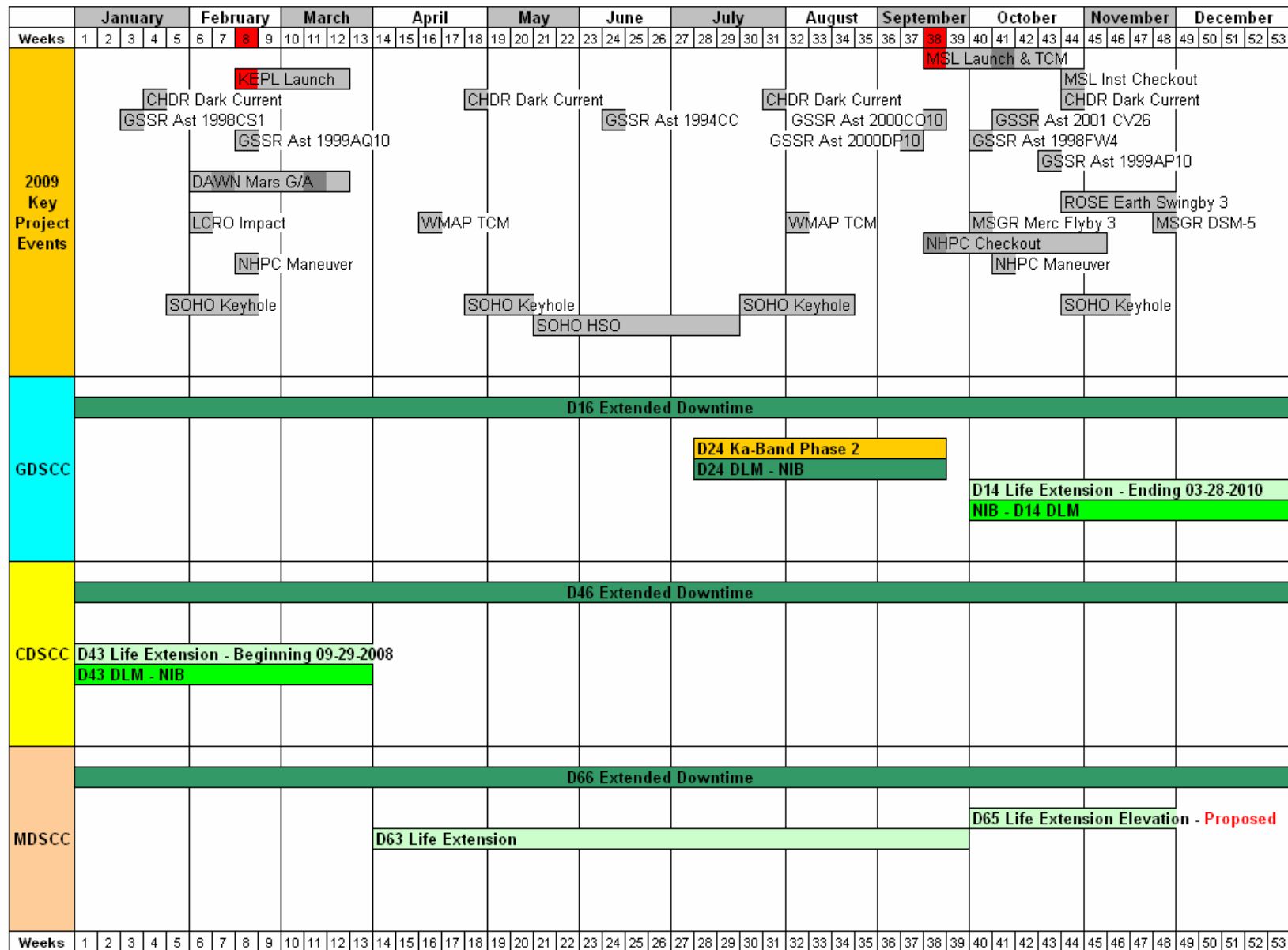# Antenna Downtime Status and Forecast 2007

Revised: August 17, 2007
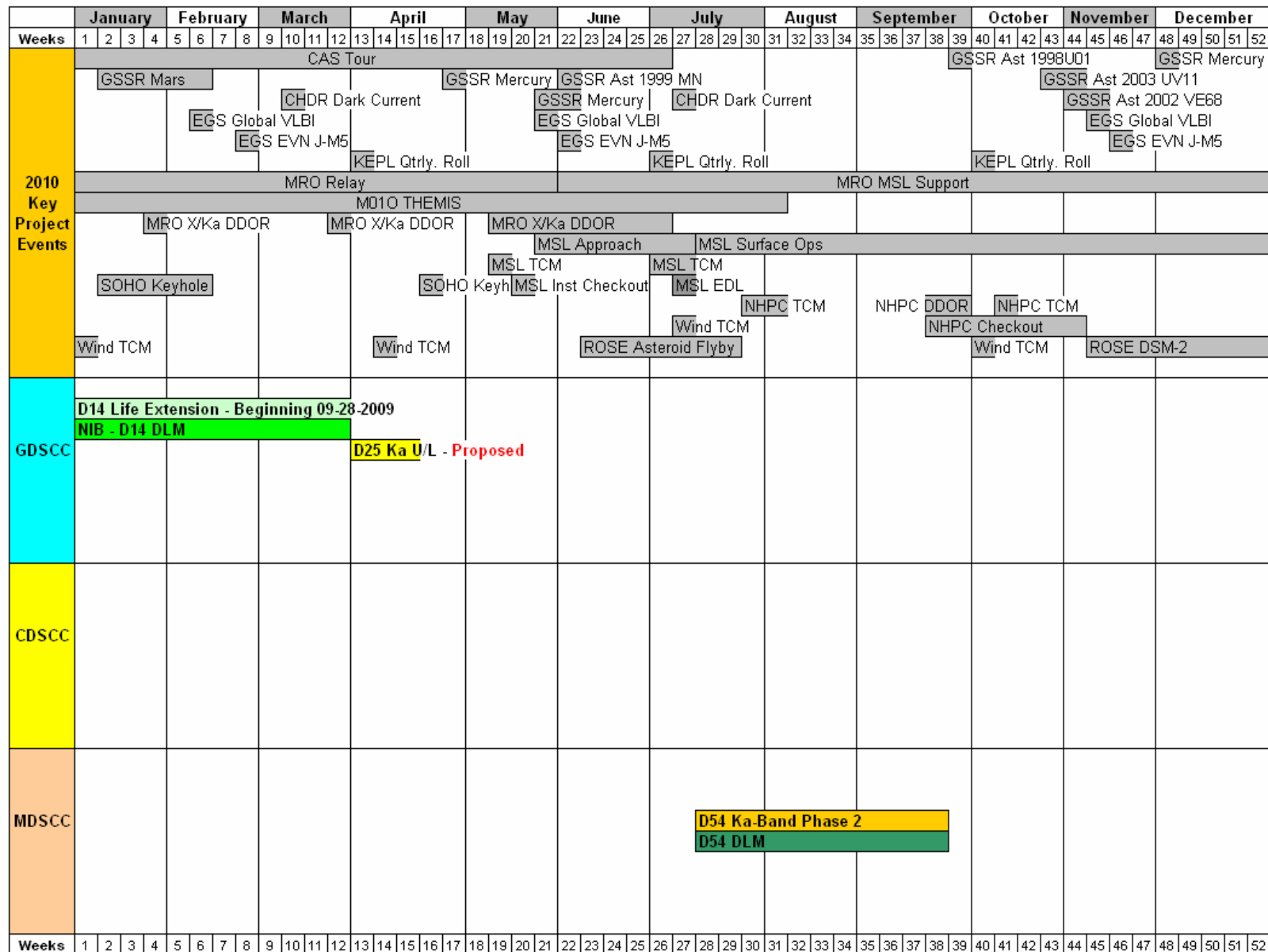
Antenna Downtime Status and Forecast 2008

Revised: August 30, 2007

Antenna Downtime Status and Forecast 2009

Revised: August 17, 2007

Antenna Downtime Status and Forecast 2010

Revised: April 2, 2007

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DSN Resource Implementation Planning Matrix By Subnet

Complex	Station	Subnet	S-Band Down	S-Band Up	X-Band Down	X-Band Up	Ka-Band Down	Ka-Band Up	Ka Phase 2
10	DSS-16	26M	✔	✔	N/A	N/A	N/A	N/A	N/A
40	DSS-46	26M	✔	✔	N/A	N/A	N/A	N/A	N/A
60	DSS-66	26M	✔	✔	N/A	N/A	N/A	N/A	N/A
10	DSS-27	34HSB	✔	✔	N/A	N/A	N/A	N/A	N/A
10	DSS-24	34B1	✔	✔	✔	✔	N/A	N/A	09/21/09
40	DSS-34	34B1	✔	✔	✔	✔	✔	N/A	09/29/08
60	DSS-54	34B1	✔	✔	✔	✔	04/15/08	N/A	09/27/10
10	DSS-25	34B2	N/A	N/A	✔	✔	✔	08/01/10	N/A
10	DSS-26	34B2	N/A	N/A	✔	✔	✔	N/A	N/A
60	DSS-55	34B2	N/A	N/A	✔	✔	✔	N/A	N/A
10	DSS-15	34HEF	✔	N/A	✔	✔	N/A	N/A	N/A
40	DSS-45	34HEF	✔	11/18/07	✔	✔	N/A	N/A	N/A
60	DSS-65	34HEF	✔	12/10/07	✔	✔	N/A	N/A	N/A
10	DSS-14	70M	✔	✔	✔	✔	N/A	N/A	N/A
40	DSS-43	70M	✔	✔	✔	✔	N/A	N/A	N/A
60	DSS-63	70M	✔	✔	✔	✔	N/A	N/A	N/A

N/A = Capability Not Planned   xx/xx/xx = Capability Date Recently Changed   As of: 08/16/07

✔ ✔ ✔ = Capability Recently Exists   ✔ = Capability Exists